HOW AFFTC HPC CAN SUPPORT YOU

- Develop and test weapon systems in a simulated electronic battlespace environment.
- Integrate flight test data into modeling and simulation software and facilities.
- Use Computational Fluid Dynamics (CFD) for aerospace weapon separations, propulsion, flying qualities, flight flutter, and other various tests.
- High performance computing visualization and computational technologies for test and evaluation.
- Ensure secure and unsecured Defense Research Engineer Network (DREN) connectivity is available.
- Joint Modeling and Simulation testing/exercises with multiple remote sites.
- Computational resources for high-priority or urgent jobs can be arranged.
- Support DoD sponsored government, academic, scientific, and engineering Test and Evaluation (T&E) collaboration.

Note: AFFTC HPC DC availability March 2001

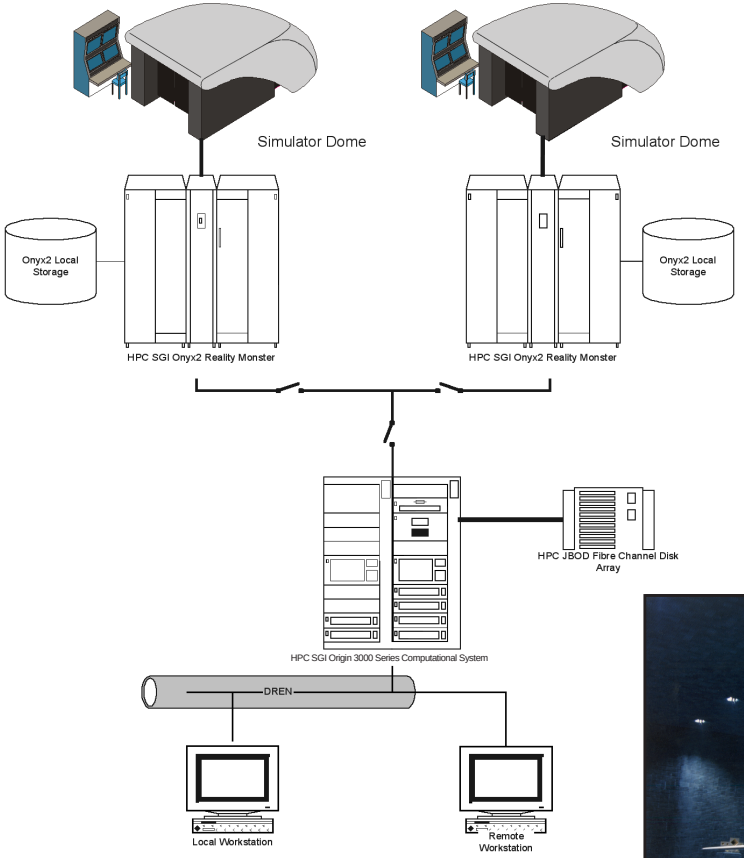
FEATURES

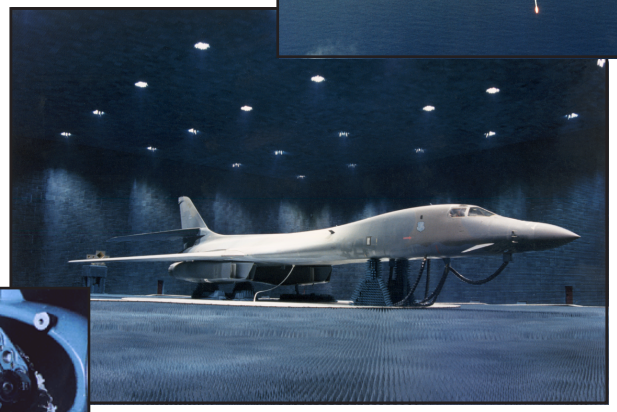
- The AFFTC HPC DC consists of two SGI Onyx2 Reality Monster Base Systems and a SGI Origin 3000 Series.
- Over 1 terabyte (TB) of storage
- 50 gigabytes (GB) of memory
- 112 processors and 12 Graphic Pipes/24 Raster Managers
- Application software will be obtained as required.

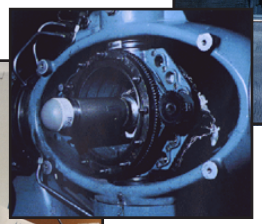
Silicon Graphics®Origin 3000 Series

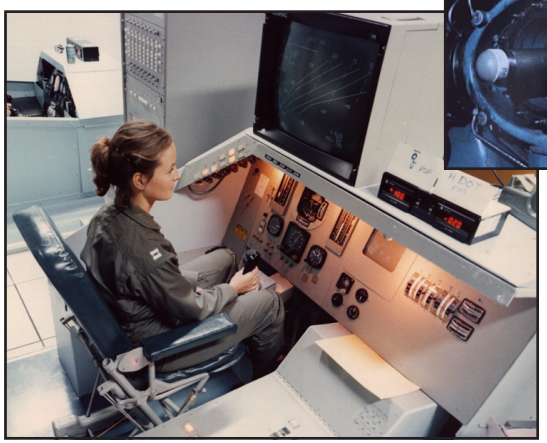
Silicon Graphics®Onix2

HPC CONNECTIVITY CONCEPTUAL OVERVIEW









CURRENT PROGRAMS SUPPORTED

- Electronic Warfare
- Airframe Propulsion and Avionics
- Modeling and Simulation
- Predictive Aeroservoelastic Characteristics
- Hypersonic Investigation
- Science and Technology Research